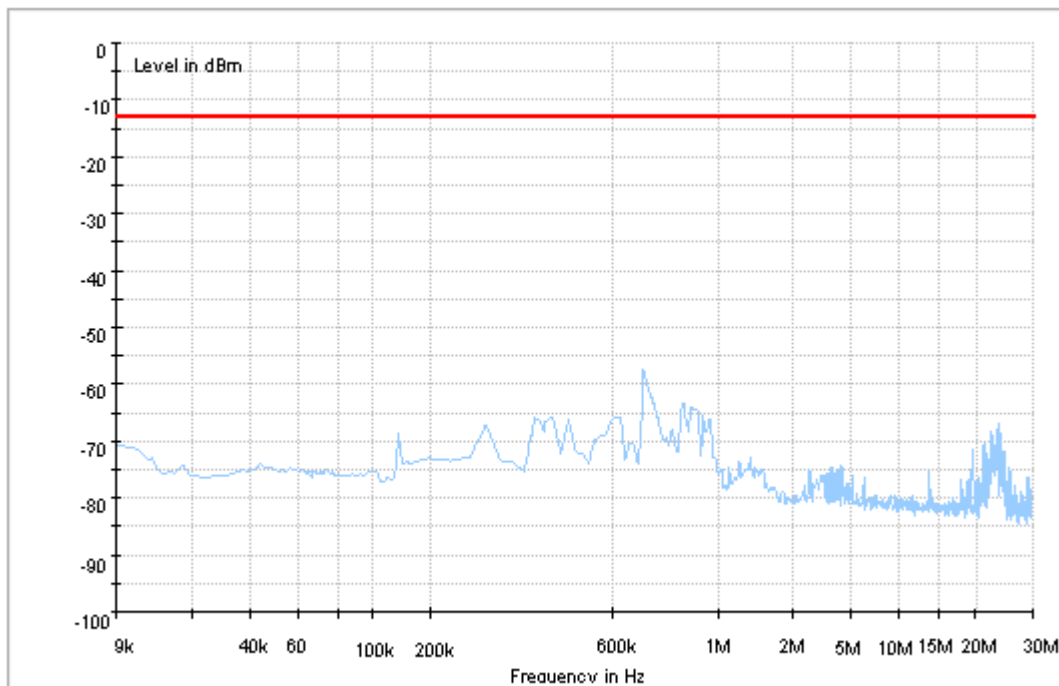
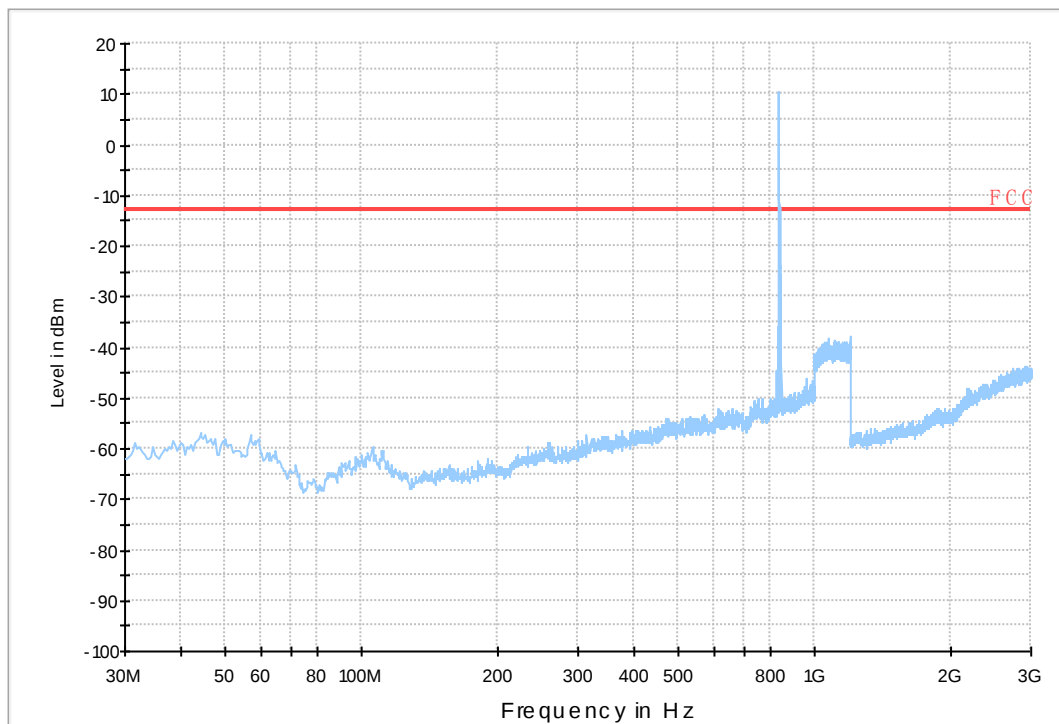


7.1.2 Test Band = BAND5_Ant2

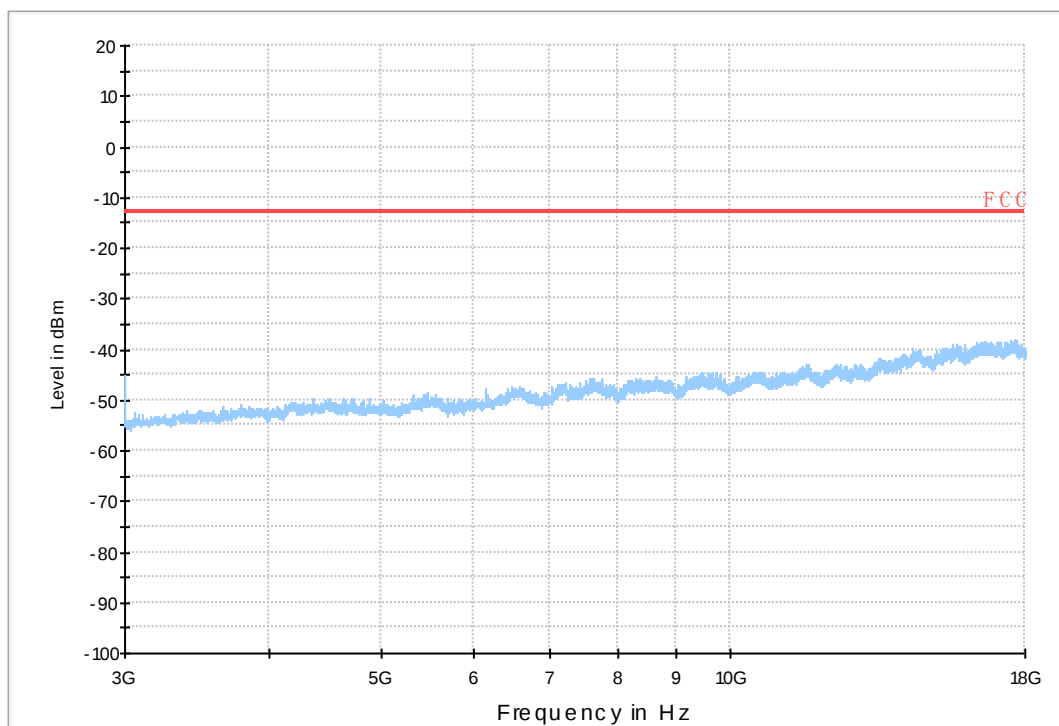
7.1.2.1 Test Bandwidth = 1.4



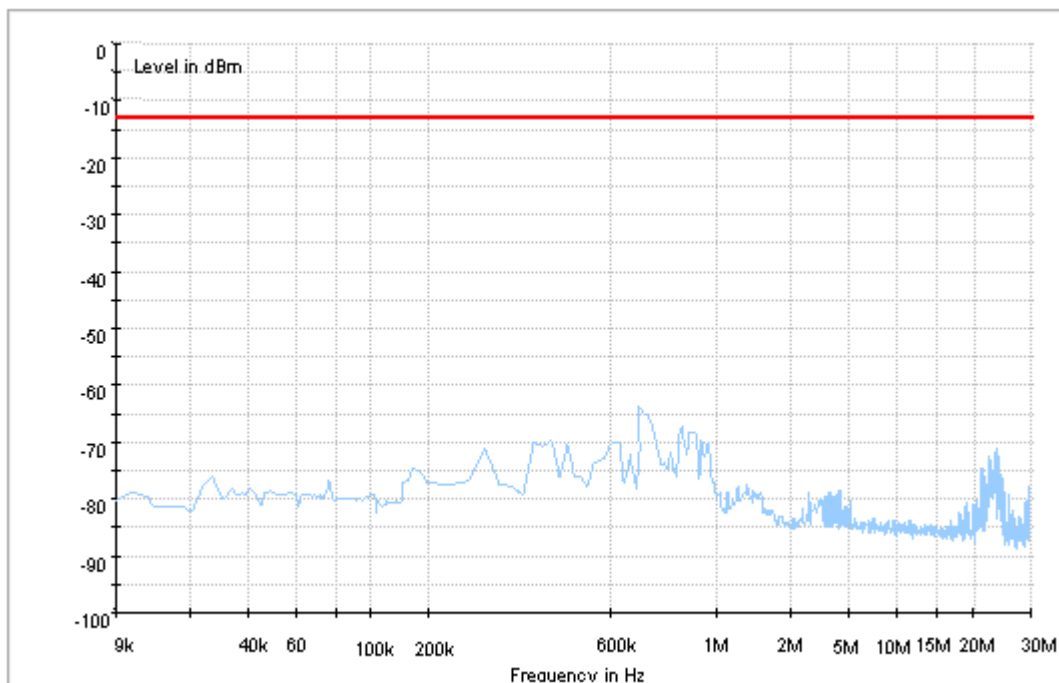
Copy of RSE-TX-DIRECTOR BELOW 1G_L



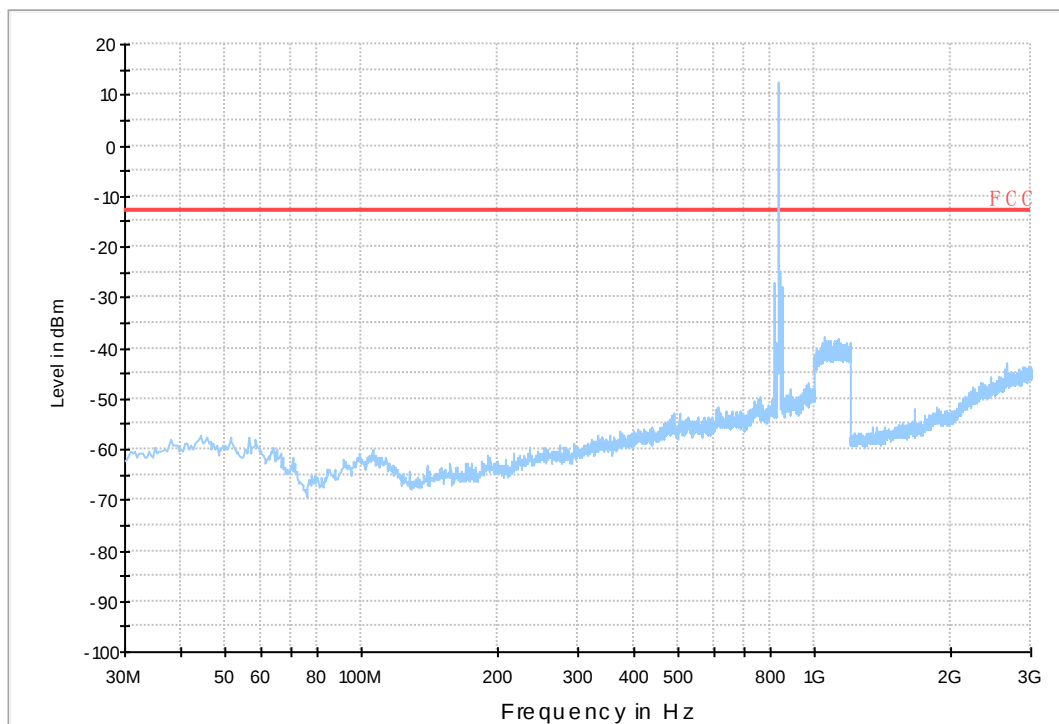
Copy of RSE-TX-DIRECTOR BELOW 1G_H



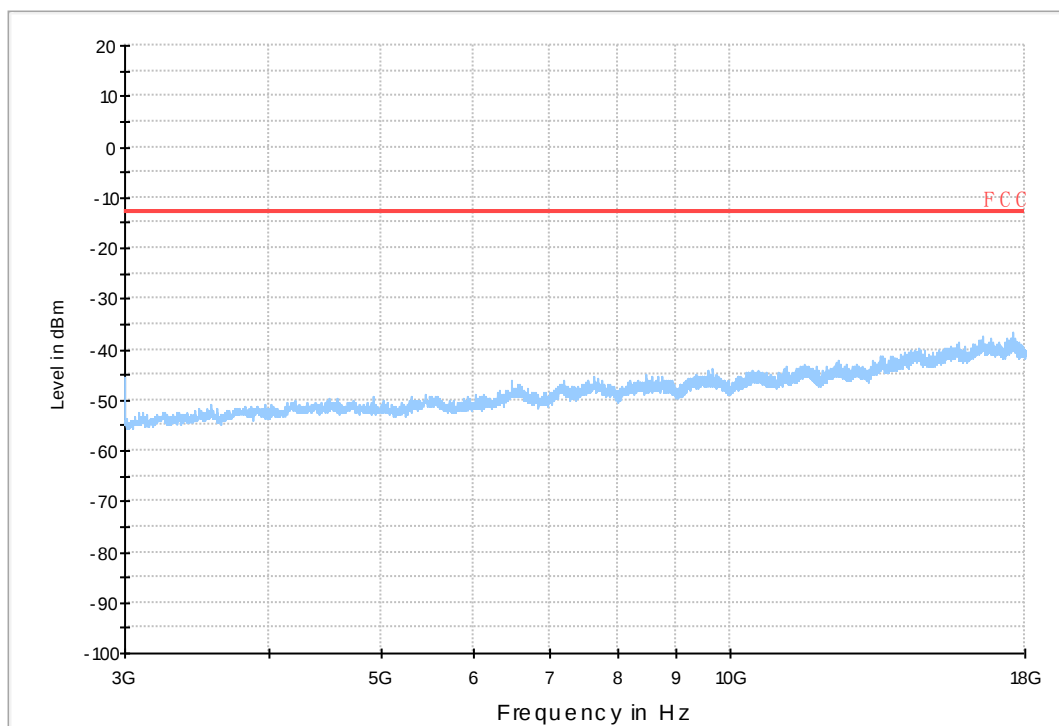
7.1.2.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of RSE-TX-DIRECTOR BELOW 1G_H



8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND5	LTE/TM1	1.4	LCH	TN	VL	18.05	0.02189	PASS
					VN	4.05	0.00491	PASS
					VH	-9.37	-0.01136	PASS
			MCH	TN	VL	6.35	0.00759	PASS
					VN	-10.34	-0.01236	PASS
					VH	3.23	0.00386	PASS
			HCH	TN	VL	-1.34	-0.00158	PASS
					VN	0.13	0.00015	PASS
					VH	-14.68	-0.01731	PASS
		3	LCH	TN	VL	-26.39	-0.03197	PASS
					VN	-6.92	-0.00838	PASS
					VH	-12.8	-0.01551	PASS
			MCH	TN	VL	2.63	0.00314	PASS
					VN	0.21	0.00025	PASS
					VH	-6.24	-0.00746	PASS
			HCH	TN	VL	1.7	0.00201	PASS
					VN	-6.68	-0.00788	PASS
					VH	2.4	0.00283	PASS
		5	LCH	TN	VL	-1.49	-0.0018	PASS
					VN	-3.09	-0.00374	PASS
					VH	-6.81	-0.00824	PASS
			MCH	TN	VL	-2.9	-0.00347	PASS
					VN	-3.22	-0.00385	PASS
					VH	-3.2	-0.00383	PASS
			HCH	TN	VL	-1.67	-0.00197	PASS
					VN	0.76	0.0009	PASS
					VH	-1.97	-0.00233	PASS
		10	LCH	TN	VL	-2.78	-0.00335	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	8.67	0.01046	PASS
					VH	0.04	0.00005	PASS
			MCH	TN	VL	147.07	0.17582	PASS
					VN	-54.65	-0.06533	PASS
					VH	65.73	0.07858	PASS
					VL	0.36	0.00043	PASS
			HCH	TN	VN	3.25	0.00385	PASS
					VH	-1.75	-0.00207	PASS
					VL	-3.02	-0.00366	PASS
	LTE/TM2	1.4	LCH	TN	VN	10.11	0.01226	PASS
					VH	-5.68	-0.00689	PASS
					VL	-0.29	-0.00035	PASS
			MCH	TN	VN	6.41	0.00766	PASS
					VH	-12.33	-0.01474	PASS
					VL	2.93	0.00345	PASS
			HCH	TN	VN	-2.43	-0.00286	PASS
					VH	1.4	0.00165	PASS
					VL	7.7	0.00933	PASS
		3	LCH	TN	VN	-4.25	-0.00515	PASS
					VH	7.52	0.00911	PASS
					VL	-2.56	-0.00306	PASS
			MCH	TN	VN	-0.49	-0.00059	PASS
					VH	-2.69	-0.00322	PASS
					VL	-0.13	-0.00015	PASS
			HCH	TN	VN	0.4	0.00047	PASS
					VH	-2.16	-0.00255	PASS
					VL	-14.75	-0.01785	PASS
		5	LCH	TN	VN	3.2	0.00387	PASS
					VH	-12.99	-0.01572	PASS
					VL	-1.22	-0.00146	PASS
			MCH	TN	VN	-1.44	-0.00172	PASS
					VH	-0.44	-0.00053	PASS
					VL	-2.19	-0.00259	PASS
			HCH	TN	VN	-1.46	-0.00172	PASS
					VH	-1	-0.00118	PASS
					VL	-4.56	-0.0055	PASS
		10	LCH	TN	VN	3	0.00362	PASS
					VH	-8.18	-0.00987	PASS
					VL	-54.77	-0.06548	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	45.09	0.0539	PASS
					VH	-43.37	-0.05185	PASS
			HCH	TN	VL	0.67	0.00079	PASS
					VN	3.78	0.00448	PASS
					VH	0.57	0.00068	PASS

8.1.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND5	LTE/TM1	1.4	LCH	VN	-30	4.96	0.00601	PASS
					-20	81.9	0.09931	PASS
					-10	-0.56	-0.00068	PASS
					0	-17.04	-0.02066	PASS
					10	-2.6	-0.00315	PASS
					20	-13.96	-0.01693	PASS
					30	3.32	0.00403	PASS
					40	13.05	0.01582	PASS
					50	7.74	0.00939	PASS
			MCH	VN	-30	-0.01	-0.00001	PASS
					-20	-3.32	-0.00397	PASS
					-10	-7.68	-0.00918	PASS
					0	-5.45	-0.00652	PASS
					10	23.86	0.02852	PASS
					20	-3.12	-0.00373	PASS
					30	-9.04	-0.01081	PASS
					40	-5.29	-0.00632	PASS
					50	1.62	0.00194	PASS
			HCH	VN	-30	-2.99	-0.00352	PASS
					-20	-3.02	-0.00356	PASS
					-10	-1.37	-0.00161	PASS
					0	-4.98	-0.00587	PASS
					10	4.06	0.00479	PASS
					20	-4.59	-0.00541	PASS
					30	0.79	0.00093	PASS
					40	-2.52	-0.00297	PASS
					50	-3.12	-0.00368	PASS
		3	LCH	VN	-30	-14.63	-0.01772	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	2.89	0.0035	PASS
					-10	13	0.01575	PASS
					0	1.8	0.00218	PASS
					10	1.03	0.00125	PASS
					20	4.94	0.00598	PASS
					30	-2.35	-0.00285	PASS
					40	7.82	0.00947	PASS
					50	4.22	0.00511	PASS
			MCH	VN	-30	-2.66	-0.00318	PASS
					-20	-0.77	-0.00092	PASS
					-10	2.17	0.00259	PASS
					0	0.64	0.00077	PASS
					10	0.07	0.00008	PASS
					20	-3.72	-0.00445	PASS
					30	-1.89	-0.00226	PASS
					40	-3.45	-0.00412	PASS
					50	0.07	0.00008	PASS
			HCH	VN	-30	0.66	0.00078	PASS
					-20	-2.03	-0.0024	PASS
					-10	-2.42	-0.00286	PASS
					0	0	0	PASS
					10	1.57	0.00185	PASS
					20	-4.39	-0.00518	PASS
					30	-1.27	-0.0015	PASS
					40	-11.03	-0.01301	PASS
					50	-3.96	-0.00467	PASS
		5	LCH	VN	-30	-1.19	-0.00144	PASS
					-20	-2.85	-0.00345	PASS
					-10	-7.31	-0.00884	PASS
					0	2.47	0.00299	PASS
					10	-1.36	-0.00165	PASS
					20	2.56	0.0031	PASS
					30	-2.52	-0.00305	PASS
					40	1.77	0.00214	PASS
					50	-8.71	-0.01054	PASS
			MCH	VN	-30	0.34	0.00041	PASS
					-20	-2.1	-0.00251	PASS
					-10	1.37	0.00164	PASS
					0	-2.52	-0.00301	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-1.34	-0.0016	PASS
					20	-0.66	-0.00079	PASS
					30	-2.1	-0.00251	PASS
					40	-2.19	-0.00262	PASS
					50	-2.03	-0.00243	PASS
			HCH	VN	-30	5.84	0.0069	PASS
					-20	0.76	0.0009	PASS
					-10	-16.88	-0.01994	PASS
					0	-10.4	-0.01229	PASS
					10	-3.65	-0.00431	PASS
					20	2.73	0.00323	PASS
					30	0.2	0.00024	PASS
					40	5.42	0.0064	PASS
					50	1.1	0.0013	PASS
		10	LCH	VN	-30	-7.18	-0.00866	PASS
					-20	-2.83	-0.00341	PASS
					-10	-10.26	-0.01238	PASS
					0	0.63	0.00076	PASS
					10	0.31	0.00037	PASS
					20	0.14	0.00017	PASS
					30	1.62	0.00195	PASS
					40	-5.41	-0.00653	PASS
					50	19.9	0.024	PASS
			MCH	VN	-30	-46.26	-0.0553	PASS
					-20	94.14	0.11254	PASS
					-10	-0.72	-0.00086	PASS
					0	8.97	0.01072	PASS
					10	-92.18	-0.1102	PASS
					20	107.07	0.128	PASS
					30	-96.39	-0.11523	PASS
					40	49.18	0.05879	PASS
					50	81.1	0.09695	PASS
			HCH	VN	-30	-4.85	-0.00575	PASS
					-20	-1.37	-0.00162	PASS
					-10	-1.65	-0.00195	PASS
					0	-0.27	-0.00032	PASS
					10	2.16	0.00256	PASS
					20	0.83	0.00098	PASS
					30	-3.88	-0.0046	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	1.4			40	0.94	0.00111	PASS
					50	-2.52	-0.00299	PASS
			LCH	VN	-30	-5.98	-0.00725	PASS
					-20	-3.43	-0.00416	PASS
					-10	18.7	0.02267	PASS
					0	-10.99	-0.01333	PASS
					10	-10.46	-0.01268	PASS
					20	8.44	0.01023	PASS
					30	11.56	0.01402	PASS
					40	-6.47	-0.00785	PASS
					50	-9.13	-0.01107	PASS
			MCH	VN	-30	-7.12	-0.00851	PASS
					-20	-0.09	-0.00011	PASS
					-10	-22.07	-0.02638	PASS
					0	-19.78	-0.02365	PASS
					10	-0.34	-0.00041	PASS
					20	-2.42	-0.00289	PASS
					30	-7.12	-0.00851	PASS
					40	-4.23	-0.00506	PASS
					50	-7.97	-0.00953	PASS
			HCH	VN	-30	-6.69	-0.00789	PASS
					-20	6.11	0.0072	PASS
					-10	1.57	0.00185	PASS
					0	3.91	0.00461	PASS
					10	-5.52	-0.00651	PASS
					20	5.78	0.00681	PASS
					30	-3.53	-0.00416	PASS
					40	-3.86	-0.00455	PASS
					50	5.02	0.00592	PASS
		3	LCH	VN	-30	4.98	0.00603	PASS
					-20	21.3	0.0258	PASS
					-10	10.09	0.01222	PASS
					0	18.53	0.02245	PASS
					10	-4.73	-0.00573	PASS
					20	-3.46	-0.00419	PASS
					30	-9.68	-0.01173	PASS
					40	-5.64	-0.00683	PASS
					50	-3.72	-0.00451	PASS
			MCH	VN	-30	-5.22	-0.00624	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-3.4	-0.00406	PASS
					-10	-2.6	-0.00311	PASS
					0	0.92	0.0011	PASS
					10	-0.66	-0.00079	PASS
					20	1.1	0.00132	PASS
					30	-1.4	-0.00167	PASS
					40	-2.39	-0.00286	PASS
					50	-0.21	-0.00025	PASS
			HCH	VN	-30	-2.25	-0.00265	PASS
					-20	-2.75	-0.00324	PASS
					-10	3.43	0.00405	PASS
					0	12.16	0.01435	PASS
					10	-10.49	-0.01238	PASS
					20	-9.98	-0.01178	PASS
					30	8.63	0.01018	PASS
					40	-9.7	-0.01145	PASS
					50	2.59	0.00306	PASS
		5	LCH	VN	-30	1.79	0.00217	PASS
					-20	-5.56	-0.00673	PASS
					-10	-0.66	-0.0008	PASS
					0	2.72	0.00329	PASS
					10	-0.83	-0.001	PASS
					20	1.85	0.00224	PASS
					30	-4.41	-0.00534	PASS
					40	0.77	0.00093	PASS
					50	-1.37	-0.00166	PASS
			MCH	VN	-30	1.87	0.00224	PASS
					-20	-1.76	-0.0021	PASS
					-10	-3.3	-0.00395	PASS
					0	-3.08	-0.00368	PASS
					10	-0.49	-0.00059	PASS
					20	-1.06	-0.00127	PASS
					30	-0.11	-0.00013	PASS
					40	-0.57	-0.00068	PASS
					50	-0.37	-0.00044	PASS
			HCH	VN	-30	-4.06	-0.0048	PASS
					-20	-3.83	-0.00452	PASS
					-10	-0.69	-0.00082	PASS
					0	-2.43	-0.00287	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-0.6	-0.00071	PASS
					20	-2.26	-0.00267	PASS
					30	2.35	0.00278	PASS
					40	-1.4	-0.00165	PASS
					50	-0.63	-0.00074	PASS
		10	LCH	VN	-30	-1.56	-0.00188	PASS
					-20	-0.76	-0.00092	PASS
					-10	-2.79	-0.00337	PASS
					0	10.5	0.01267	PASS
					10	-3.78	-0.00456	PASS
					20	9.01	0.01087	PASS
					30	3	0.00362	PASS
					40	1.02	0.00123	PASS
					50	-8.11	-0.00978	PASS
			MCH	VN	-30	11.66	0.01394	PASS
					-20	-47.48	-0.05676	PASS
					-10	54.5	0.06515	PASS
					0	-108.75	-0.13001	PASS
					10	-53.09	-0.06347	PASS
					20	237.58	0.28402	PASS
					30	63.04	0.07536	PASS
					40	56.99	0.06813	PASS
					50	-57.69	-0.06897	PASS
			HCH	VN	-30	-2.75	-0.00326	PASS
					-20	-0.5	-0.00059	PASS
					-10	-1.03	-0.00122	PASS
					0	-0.19	-0.00023	PASS
					10	-4.48	-0.00531	PASS
					20	-0.92	-0.00109	PASS
					30	1.46	0.00173	PASS
					40	-0.7	-0.00083	PASS
					50	-3.88	-0.0046	PASS

END